

CPC**COOPERATIVE PATENT CLASSIFICATION****A24C****MACHINES FOR MAKING CIGARS OR CIGARETTES****Guidance heading:** Making cigars

- A24C 1/00** **Elements of cigar manufacture** (combinations of two or more elements of cigar manufacture [A24C 3/00](#); attaching or incorporating filters or mouthpieces [A24C 5/47](#), [A24C 5/52](#); cutting machines in general [B26D](#))
- [A24C 1/02](#) . Tobacco-feeding devices with or without means for dividing the tobacco into measured quantities
- [A24C 1/04](#) . Devices for cutting cigar binders or wrappers
- [A24C 1/045](#) .. { Safety devices therefor }
- [A24C 1/08](#) . Making tobacco bunches
- [A24C 1/10](#) .. Bunch-making machines with aprons and tables for wrapping
- [A24C 1/12](#) .. Bunch-making machines with wrapping rollers
- [A24C 1/14](#) .. Bunch-making machines with grippers
- [A24C 1/16](#) . Treating bunches
- [A24C 1/18](#) .. Moulds or presses for cigar bunches
- [A24C 1/20](#) ... Rotating moulds for cigar bunches
- [A24C 1/22](#) .. Rolling formed bunches
- [A24C 1/24](#) .. Cutting bunches to length
- [A24C 1/26](#) . Applying the wrapper
- [A24C 1/28](#) .. Wrapper transferring mechanisms
- [A24C 1/30](#) .. Devices for applying the wrapper to the bunch
- [A24C 1/32](#) .. Devices for forming the tips of cigars (filter-tips, mouthpieces [A24D 3/00](#))
- [A24C 1/34](#) .. Adhesive-applying means
- [A24C 1/36](#) .. Cutting wrapped bunches to length
- [A24C 1/38](#) . Final treatment of cigars, e.g. sorting
- [A24C 1/383](#) .. { Final drying of cigars }
- [A24C 1/386](#) .. { Perforating cigars }
- [A24C 1/40](#) .. Delustering or powdering cigars
- [A24C 1/42](#) .. Marking, printing, or decorating cigars
- [A24C 1/44](#) .. Bundling and pressing devices for cigars
- A24C 3/00** **Complete manufacture of cigars; Combinations of two or more elements of cigar manufacture**
- A24C 5/00** **Making cigarettes; Making tipping materials for, or attaching filters or mouthpieces**

to, cigars or cigarettes

- A24C 5/002 . { Feeding arrangements for individual paper wrappers }
- A24C 5/005 . { Treatment of cigarette paper }
- A24C 5/007 .. { Perforating }
- A24C 5/02 . Cigarette-filling machines
- A24C 5/04 .. with continuous rod ([A24C 5/14](#) takes precedence)
- A24C 5/06 .. with pressing-chamber
- A24C 5/08 . Machines with aprons and tables for wrapping
- A24C 5/10 . Machines with wrapping rollers
- A24C 5/12 . Cutting the ends of filled and rolled cigarettes
- A24C 5/14 . Machines of the continuous-rod type (tobacco feeding devices [A24C 5/39](#))
- A24C 5/18 .. Forming the rod
- A24C 5/1807 ... { with compressing means, e.g. garniture }
- A24C 5/1814 ... { containing parts of different densities, e.g. dense ends }
- A24C 5/1821 ... { containing different tobacco mixtures, e.g. composite rods }
- A24C 5/1828 ... { by cutting tobacco sheet material }
- A24C 5/1835 ... { Multiple rod making devices }
- A24C 5/1842 ... { Trimming devices }
- A24C 5/185 ... { Separating devices, e.g. winnowing, removing impurities }
- A24C 5/1857 ... { Belt construction or driving means }
- A24C 5/1864 ... { Conditioning means, e.g. drying }
- A24C 5/1871 ... { Devices for regulating the tobacco quantity }
- A24C 5/1878 ... { for oval cigarettes }
- A24C 5/1885 ... { for cigarettes with an axial air duct }
- A24C 5/1892 ... { with additives, e.g. binding agent, flavorants }
- A24C 5/20 .. Reels; Supports for bobbins; Other accessories
- A24C 5/22 .. Creasing the paper seam
- A24C 5/24 .. Pasting the seam
- A24C 5/26 .. Drying the seam
- A24C 5/28 .. Cutting-off the tobacco rod
- A24C 5/30 ... Machines combined with devices for grinding the knives
- A24C 5/31 .. with special arrangements coming into operation during starting, slowing-down or breakdown of the machine, e.g. for diverting or breaking the continuous rod
- A24C 5/32 . Separating, ordering, counting, or examining cigarettes (in relation to packaging [B65B 19/00](#)); Regulating the feeding of tobacco according to rod or cigarette condition (investigating or analysing materials by determining their chemical or physical properties [G01N](#) ; controlling in general [G05](#))

- A24C 5/321 .. { Counting means }
- A24C 5/322 .. { Transporting cigarettes during manufacturing }
- A24C 5/323 ... { pneumatically }
- A24C 5/325 ... { from a hopper }
- A24C 5/326 ... { with lateral transferring means }
- A24C 5/327 ... { Construction details of the cigarette transport drum }
- A24C 5/328 ... { Controlling means }
- A24C 5/33 .. Catching or ordering devices
- A24C 5/333 ... { for combining several rows into one }
- A24C 5/336 ... { Turning means }
- A24C 5/34 .. Examining cigarettes or the rod, e.g. for regulating the feeding of tobacco;
Removing defective cigarettes
- A24C 5/3406 ... { Controlling cigarette combustion }
- A24C 5/3412 ... { by means of light, radiation or electrostatic fields ([A24C 5/3406](#) takes precedence) }
- A24C 5/3418 ... { by pneumatic means ([A24C 5/3406](#) takes precedence) }
- A24C 5/3424 ... { by weighing ([A24C 5/3406](#) takes precedence) }
- A24C 5/343 ... by mechanical means, e.g. feelers
- A24C 5/345 ... Removing defective cigarettes ([A24C 5/31](#) takes precedence)

- A24C 5/35 . Adaptations of conveying apparatus for transporting cigarettes from making machine to packaging machine
- A24C 5/352 .. Using containers, i.e. boats
- A24C 5/354 ... Filling the boats at the making machine
- A24C 5/356 ... Emptying the boats into the hopper of the packaging machine ([hopper construction B65B 19/04](#))
- A24C 5/358 ... Boat constructions

- A24C 5/36 . Removing papers or other parts from defective cigarettes

- A24C 5/38 . Machines combined with printing devices

- A24C 5/39 . Tobacco feeding devices ([regulating feed according to rod or cigarette condition A24C 5/34](#))
- A24C 5/391 .. { feeding to several cigarette making machines }
- A24C 5/392 .. { feeding pneumatically }
- A24C 5/393 .. { with a vibrating conveyer }
- A24C 5/394 .. { with an auxiliary feed unit }
- A24C 5/395 .. { with arrangements in the hopper, e.g. for spreading, tamping }
- A24C 5/396 .. { with separating means, e.g. winnowing, removing impurities }
- A24C 5/397 .. { with means for regulating the tobacco quantity }
- A24C 5/398 .. { Driving arrangements }
- A24C 5/399 .. { Component parts or details, e.g. feed roller, feed belt }

- A24C 5/40 . Hand-driven apparatus for making cigarettes

- A24C 5/42 .. Pocket cigarette-fillers
- A24C 5/425 ... { for obtaining cigarettes of various lengths }
- A24C 5/44 .. Pocket cigarette-rollers

- A24C 5/46 . Making paper tubes for cigarettes (making paper tubes in general [B31C](#))
- A24C 5/465 .. { the paper tubes partially containing a filter element }

- A24C 5/47 . Attaching filters or mouthpieces to cigars or cigarettes, e.g. inserting filters into cigarettes or their mouthpieces ([A24C 5/52](#) takes precedence; filters, their manufacture, mouthpieces [A24D 3/00](#))
- A24C 5/471 .. { by means of a connecting band }
- A24C 5/472 ... { Applying adhesives to the connecting band }
- A24C 5/473 ... { Cutting the connecting band }
- A24C 5/474 .. { by inserting filters into cigarettes or their mouthpieces }
- A24C 5/475 .. { adapted for composite filters }
- A24C 5/476 .. { adapted for cigars or cigarettes with a hollow mouthpiece, e.g. recess filter cigarettes }
- A24C 5/477 ... { with a mouthpiece made from plastic, wood or the like }
- A24C 5/478 .. { Transport means for filter- or cigarette-rods in view of their assembling }

- A24C 5/52 . Incorporating filters or mouthpieces into a cigarette rod or a tobacco rod (filters, their manufacture, mouthpieces [A24D 3/00](#))

- A24C 5/54 . Folding the ends of cigarette paper tubes after filling them with tobacco

- A24C 5/56 . Making tipping materials, e.g. sheet cork for mouthpieces of cigars or cigarettes, by mechanical means (chemical part of making tipping material [C08](#) ; wrapping papers for cigarettes [D21H](#))
- A24C 5/565 .. { by treating the tipping material with a liquid or viscous solution, e.g. paraffine (final treatment [A24C 5/608](#)) }
- A24C 5/58 .. Applying the tipping materials
- A24C 5/583 ... { to a continuous web of cigarette paper }
- A24C 5/586 ... { to a cigarette }

- A24C 5/60 . Final treatment of cigarettes, e.g. marking, printing, branding, decorating
- A24C 5/601 .. { Marking, printing or decorating cigarettes }
- A24C 5/602 ... { Bronzing }
- A24C 5/603 .. { Final drying of cigarettes }
- A24C 5/605 .. { Pressing of cigarettes, e.g. for obtaining an oval form }
- A24C 5/606 .. { Perforating cigarettes }
- A24C 5/607 ... { by mechanical means }
- A24C 5/608 .. { Treating cigarettes with a liquid or viscous solution }